

An Annotated Catalogue of the Burnets and Foresters (Lepidoptera: Zygaenidae) Named by Roger Verity

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Abstract. Species-group and infrasubspecific taxa of the family Zygaenidae named by R. Verity (1883-1959) are listed, with bibliographical data, information on their type-material, and notes on their status and/or identity. Proposals are made as to the stabilization of their nomenclature.

The present paper represents the third, and last, part of a series intended to provide students of Lepidoptera, particularly taxonomists, with annotated catalogues of the numerous taxa named by R. Verity, in all nearly 2000 names. The first (Kudrna, 1983) of the two already published papers dealt with the Papilionoidea (over 1500 names), the second (Kudrna & Balletto, 1984) treated the HesperIIDae (over 200 names). Like both previously published works, this is based on the study of both Verity's publications and the type-material preserved at the University Zoology Museum in Florence, Italy (Museo Zoologico de la Specola, Via Romana 17, I-50125 Firenze, Italy). Reference is also given to important publications which dealt with the taxa named by Verity, such as Naumann (1983) and Reiss & Tremewan (1967).

Whatever was said by Kudrna (1983) in the introduction to his catalogue of the butterflies is applicable also to Zygaenidae. Readers seeking information on Verity's collection, his life and work, as well as his bibliography, should also turn to the following publications: Baccetti, 1963; Beer, 1960; Kudrna, 1976, 1982 and 1983.

The main issue raised by Kudrna (1983) was judgment in respect to the availability (or unavailability) of Verity's names proposed in trinomial combinations for races, as a distinct taxonomic category, under the present condition set out in the current International Code of Zoological Nomenclature (edition 2, with all emendation valid at present). On further analysis of Verity's publications, Kudrna (1983) demonstrated that Verity's races are formally unavailable, having been published explicitly or implicitly in quadrimony (cf. also Kudrna & Balletto, 1984). The study of Verity's works on the Zygaenidae has confirmed Kudrna's (1983) conclusions.

It may be interesting to summarize here what could be called the evolution of Verity's taxonomic concept, on the basis of the differential treatment of infraspecific taxonomic categories he chose to prefer at different times.

In 1911, while publishing the systematic index to the first volume of his never completed work "Rhopalocera Palaearctica", Verity treated his race unequivocally as an infrasubspecific category, denoted by a quadrimen in case of all polytypic species, and a trinomen in case of all monotypic species. Later, until about 1920, Verity's view of "race" became inconsistent. He often then reverted to trinominals to denote races he otherwise used to treat in quadriminomial combination (e.g. *Zygaena filipendulae* race *calabra* Verity, 1917), or else he made use of infraspecific categories other than race (e.g. *Zygaena erythra* var. *albipes* Verity, 1916). After 1920, however, Verity became convinced of a new form of his own personal concept of polytypic species. This resulted in multinomial combinations such as *Zygaena ephialtes* ssp. *ephialtes razza albaflavens* Verity, 1920; or *Zygaena lonicerae* ssp. *trifolii* race *decreta* Verity, 1926, becoming characteristic and customary in his work.

In the later 1920's Verity became more and more convinced that his own subspecies concept was actually distinct from that of all other taxonomists studying the butterflies and moths. Subsequently, he substituted for subspecies a new taxonomic category which he called the exerge (Verity, 1925), in his Italian papers spelled *eserge*. In practical terms this was a change in terminology, rather than in meaning, of the then commonly used subspecies. Nonetheless, Verity (1925) claimed that the subspecies concept had over the years become exceedingly confused and that the subspecies concept was not adequately clear from the beginning. He proposed, therefore, that infraspecific taxa should be divided into two principal groups: the exerge and the race. Nevertheless, Verity published during this period only one new name specifically proposed for an exerge: *Zygaena fulvia* *eserge caledoniae* Verity, 1930.

It must be stressed at this stage, however, that Verity never made a constant use of his taxonomic categories, including his subspecies and his exerge. In his opinion, while some species were made of different exerges, others were not, constituting possibly just a single exerge. It certainly is not insignificant in this context that several of the subspecies, or exerges, formerly recognized by Verity are now considered to be taxonomically distinct species, or at least sibling species. For those species that Verity considered to be monotypic, or consisting of a single exerge (subspecies), he published new races in trinomial original combinations, such as *Zygaena carniolica* razza *anzascana* Verity, 1930; and *Zygaena purpuralis* race *isarica* Verity, 1922.

After about 1940, Verity gradually restricted the taxonomic (and

nomenclatorial) status of his exerges. He used the term as an indication of their supposed biogeographical origin instead of a zoological (latin) name (e.g. northern exerge, southern exerge, central exerge, etc.). He did this even for taxa with existing zoological (latin) names, usually of subspecies rank. In this way, the unique "exerge-concept" lost its original meaning and became closer to what is usually called "Rassenkreis" in the German literature.

The above represents, with some exceptions and inconsistencies on Verity's part, a brief outline of the evolution of his way of judging taxonomic categories within the species. One of such exceptions is the use of subspecies as late as in 1926 for a new taxon: *Zygaena lonicerae* subspecies *transferens* Verity, 1926. However, such cases do not imply that in order to assess the availability of a particular name given by Verity to a race, one must always try to discover what he thought at the time of naming the taxon. The very fact that Verity utilized intermediate taxonomic categories (subspecies and exerges) between specific and racial names is enough to treat all racial names as infrasubspecific for the purpose of zoological nomenclature. Any other attempt is bound to result in the most singular and subjective conclusions.

At the same time, it must now be recognized that Verity's names of races have become widely used and treated as subspecies by most subsequent authors. Additionally, it must not be overlooked that some subsequent authors (e.g. Reiss & Tremewan, 1967) "validated" Verity's racial names by completely ignoring the fact that they were published in unequivocal quadrinomial original combinations (of which they must have been aware). An example is the case of *Zygaena lonicerae* subspecies *lonicerae* race *minuens* Verity, 1926, which became subspecies *Zygaena lonicerae minuens*, in their catalogue (i.e. Reiss & Tremewan, 1967). Regrettably, the International Code of Zoological Nomenclature: Article 10(b) is rather ambiguous on the subject of the proper validation of an originally infrasubspecific name subsequently raised to the rank of the species-group name. Article 10, if broadly interpreted, insures that practically any quotation of an infrasubspecific name at species or subspecies rank, in no matter how obscure a faunal list, can constitute validation of the name. It seems to us that undertaking a thorough search of literature published over the past 70 years in order to ascertain who may have possibly validated a number of the 2000 names proposed by Verity would be a long and tiresome task. The effort not only fails to contribute to the advancement of lepidopterology, but indeed, would divert valuable time. There are many more fruitful tasks than sorting out a few names which are likely to contain a good measure of subjective synonyms.

With this in mind we wish to repeat here the plea already made by Kudrna (1983) and Kudrna and Balletto (1984), addressed to the International Commission on Zoological Nomenclature, requesting the use of

its plenary powers to rule that all names proposed by R. Verity for races are available names so long as they satisfy other relevant articles of the International Code on Zoological Nomenclature (cf. Kudrna, 1983). The names concerned were specified by Kudrna (1983) and Kudrna and Balletto (1984) by marking them with an asterisk and can be very briefly characterized as races with trinominal original combinations.

In the following catalogue, names are arranged in alphabetical order, each entry consisting of: caption (abbreviated original rank)—original combination author, year—bibliographical reference—type-material (if found) or type-locality (if known) or relevant information—comments and/or taxonomic history. Original taxonomic categories are abbreviated as follows: sp = species; ssp = subspecies; ex = exerge (eserge); ra = race; sf = seasonal form; if = individual/infrasubspecific form, aberration; sr = subrace; nn = nomen novum; hy = hybrid; nomen nudum is never abbreviated. Captions are printed: (1) in capitals for names originally intended for species-group taxa (i.e. species, subspecies, exerge and their replacement names); (2) in lower case preceded by asterisk for trinominal Verity's "race" recommended for subspecies-rank (see above); and (3) in lower case without asterisk for unavailable names (e.g. infrasubspecific taxa). Text placed in square brackets is our own, intended to supplement incomplete original data, which are taken directly from specimen labels and/or Verity's original designations. Unlike the publication on the butterflies and skippers, Verity, in his papers on Zygaenidae, usually interrupted the original combinations by inserting technical terms denoting infraspecific taxonomic categories; we have decided to repeat them, but as they do not form true parts of original combinations, we have placed them between inverted commas, as quotations.

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acumine (if)—*Zygaena fulvia* 'forma' *acumine* Verity, 1930—Memorie Soc. ent. ital. 9:20—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena loti tuscomodica acumine* (ab.).

acutafibra (if)—*Adscita alpina* 'forma' *acutafibra* Verity, 1946—Redia

31(1945/46):149—Italia ceentrale: Piceno: Massiccio Sibillini: Bolognola: 1200 m: 28 V 1913 Querci [leg.]; slide no. 527.

***aeris** (ra)—*Adscita geryon* 'razza' *aeris* Verity, 1946—Redia 31(1945/46):154—Syntypes 1 male, 1 female [S. France]: A[lpes-]M[aritime]: St. Barnabe: 1000 m: 28 V 1933: coll. Gazel.

albaflavens (ra)—*Zygaena ephialtes* 'sottospecies' *ephialtes* 'razza' *albaflavens* Verity, 1920—Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici 14:39—Syntypes 3 males, 12 females Italia centrale: Lucca: Prato Firtio: 24-31 VII 1915: Querci [leg.]; 10 males, 7 females S[ud] Italia: Valle Mollarino: 500 m: 25-30 VII 1919: Querci [leg.]; 1 male ibid. M[on]te Meta: 900 m: 10 VII 1911.—Reiss & Tremewan (1967): *Zygaena ephialtes albaflavens* [nec Verity] (ssp.).

albarubens (ra)—*Zygaena ephialtes* 'sottospecie' *ephialtes* 'razza' *albarubens* Verity, 1920—Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici 14:39—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena ephialtes albarubens* [nec Verity] (ssp.): the authors were in error considering the name to have been first published as nomen nudum and subsequently referring a later date: 1946.

ALBIPES [ssp]—*Zygaena erythra albipes* 'n.var.' Verity, 1916—Bull. Soc. ent. Fr. 1916:289—Syntypes 9 males, 1 female [Italy: Sicily]: Palermo: coll. Taormina; 4 males, 1 female Sicilia: Sevara: 5 VI 1928; 2 females Silcilia: S. Onofrio: 28 V 1928; 1 male [Sicily]: Trabsia; 1 male [Sicily]: M. Pellegrino: 18 V [1]930; 1 female Sicilia: Maridello [poorly legible: ?]: 10 VI [????].—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena erythrus saportae* Boisduval, 1829.

albovittata (if)—*Zygaena rhadamanthus* 'subspecies' *rhadamanthus* 'race' *oxytropiferens* 'f[orm]' *albovittata* Verity, 1920—Entomologist's Rec. J. Var. 32:161—A name proposed for an individual form described by Oberthuer (1910) in Etud. Lepid. comp. 4:592 found in some specimens from France: Alpes-Maritimes (Dept.)—Reiss & Tremewan (1967): *Zygaena rhadamanthus oxytropiferens albovittata* (ab.).

alpicola (nn)—*Zygaena loti* 'subspecies' *transalpina* 'race' *alpicola* Verity, 1920—Entomologist's Rec. J. Var. 32:29—Replacement name for *Zygaena loti alpina* Boisduval, 1834, said to be primary junior homonym of *Zygaena filipendulae alpina* Boisduval, 1834, but contrary to the rank of that name proposed in a quadrinomial original combination.—Reiss & Tremewan (1967): Junior synonym of *Zygaena transalpina alpina* Boisduval, 1834.

alpiumgigas (nn)—*Zygaena loniceræ* 'subspecies' *loniceræ* 'race' *alpiumgigas* Verity, 1926—Entomologist's Rec. J. Var. 38:73—Replacement name for *Zygaena loniceræ major* Frey, 1880, said to be junior homonym of *Zygaena filipendulae major* Esper, 1797, but contrary to the rank of that name proposed in quadrinomial original combination.—

Reiss & Tremewan (1967): *Zygaena loniceræ alpiumgigas* [nec Verity?] (ssp.).

***alpiummicans** (ra)—*Zygaena fausta* 'race' *alpiummicans* Verity, 1926—Entomologist's Rec. J. Var. 38:106—Syntypes 24 males, 31 females [Italy: Piedmonte]: Alpi Cozie: Val di Susa: Oulx: 2-17 VIII 1925: Verity [leg.]—Reiss & Tremewan (1967): *Zygaena fausta alpiummicans* (ssp.).

alpiumnana (if)—*Zygaena loniceræ* 'subspecies' *trifolii* 'form' *alpiumnana* Verity, 1925—Entomologist's Rec. J. Var. 37:47; pl. 8, figs. 88-90.—Syntypes 2 males, 1 female [N. Italy]: Suedtirol: [Isarco Valley: road from Waidbruck to Castelruth]: 191[?]: Wagner [leg.]—Reiss & Tremewan (1967): *Zygaena loniceræ glaciei alpiumnana* (ab.).

angelicaeformis (if)—*Zygaena filipendulae* 'race' *alpina* 'form' *angelicaeformis* Verity, 1921—Entomologist's Rec. J. Var. 33:109—[S. France: Hautes Alpes]: Digne—Reiss & Tremewan (1967): *Zygaena filipendulae oberthueriana angelicaeformis* (ab.).

***anomala** (ra)—*Adscita statures* 'razza' *anomala* Verity, 1946—Redia 31(1945/46):152; pl. 7, fig. 16; pl. 8, fig. 28—Holotype 1 male [S. France]: A[lpes] M[aritime]: Le Borion: 1450 m: 18 VII 1935: coll. Gazel.

anticeconjuncta (if)—*Zygaena transalpina emendata anticeconjuncta* Verity, 1916—Boll. Soc. ent. ital. 47:77—[Italy]: Macerata—Name proposed for a specimen in Oberthuer's collection, no. 137.—Reiss & Tremewan (1967): *Zygaena transalpina emendata anticeconjuncta* (ab.).

***anzascana** (ra)—*Zygaena carniolica* 'race' *anzascana* Verity, 1930—Memorie Soc. ent. ital. 9:22—Syntypes 20 males, 14 females [N. Italy: Alpi Pennine]: Vanzone: 700 m: 10 VII [19]24, 17-19 VII 1928: Verity [leg.]—Reiss & Tremewan (1967): *Zygaena carniolica anzascana* (ssp.).

apicejuncta (if)—*Zygaena stoehadis dubia apicejuncta* Verity, 1916—Boll. Soc. ent. ital. 47:74—[Italy]: Macerata—Reiss & Tremewan (1967): *Zygaena filipendulae major apicejuncta* (ab.).

aterrima (ra)—*Zygaena filipendulae* 'subspecies' *stoehadis* 'race' *aterrima* Verity, 1921—Entomologist's Rec. J. Var. 33:128—Syntypes 22 males, 16 females Italia centrale: Toscana: Palazzuolo Romagna: 700 m: 3-7 VII 1917: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena filipendulae aterima* [nec Verity] (ssp.).

***austronubigena** (ra)—*Anthrocera (Mesembrinus) purpuralis* 'razza' *austronubigena* Verity, 1946—Redia 31:58—Lectotype male, Paralectotypes 3 males, 8 females (Naumann, 1983) [Italy]: Abruzzi: Gran Sasso: 1300-1500 m: 1939: Romei [leg.]—Reiss & Tremewan (1967): *Zygaena purpuralis austronubigena* (ssp.).

aureoviridis (if)—*Procris cognata* 'f[ormal]' *aureoviridis* Verity, 1946—Redia 31(1945/46):134—Syntype 1 male [Italy: Emilia]: Ravenna: 20 VI 1919.

autumnalis (sf)—*Zygaena lonicerae major autumnalis* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:73—Syntype 1 male Italia centrale: Macerata: Monti Sibillini: Bolognola: 2 IX 1915: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena lonicerae pauperetincta autumnalis* (f.t.).

autumnalis (sf)—*Zygaena transalpina transalpina autumnalis* 'nom. nov.' Verity, 1916—Boll. Soc. ent. ital. 47:76—Syntypes 2 males, 1 female Italia centrale: Piceno: Massiccio Sibillini: 1200 m: 4 IX 1913: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena transalpina emendata autumnalis* (f.t.).

barcina (ra)—*Zygaena rhadamanthus* 'subspecies' *rhadamanthus* 'race' *barcina* Verity, 1920—Entomologist's Rec. J. Var. 32:161—A name proposed for three specimens described by Oberthuer (1910) in *Etud. Lepid. comp.* 4:590; type-locality Spain: Barcelona.—Reiss & Tremewan (1967): *Zygaena rhadamanthus barcina* [nec Verity] (ssp.).

***bellissima** (ra)—*Adscita alpina* 'razza' *bellissima* Verity, 1946—Redia 31:151—Syntypes 5 males, 1 female [N. Italy: Alpi Marittime]: Valdieri: VII 1898, 26 VII 1905, 2 VIII 1907, 14 VII 1911.

biconjuncta (if)—*Zygaena stoechadis dubia biconjuncta* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:74—Italy: Macerata.—Reiss & Tremewan (1967): *Zygaena filipendulae caeruleochsenheimeri biconjuncta* (ab.).

bimacula (if)—*Zygaena filipendulae* 'f[form]' *bimacula* Verity, 1921—Entomologist's Rec. J. Var. 33:147—Type-locality not known—Reiss & Tremewan (1967): *Zygaena filipendulae aterrima bimacula* (ab.).

brevicornibus (if)—[*Zygaena lonicerae*] 'subspecies' *lonicerae* 'race' *etruriae* 'form' *brevicornibus* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 73, 74—Italia centrale: Firenze: La Traversa: 900 m: 3 VII 1915: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena lonicerae hertae brevicornibus* (ab.).

britanniae (ra)—[*Zygaena lonicerae*] 'subspecies' *lonicerae* 'race' *britanniae* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 56, 57—Syntypes 9 males, 6 females [Great Britain]: Yorks[hire]: Warthill: VII 1921: Smith [leg.]—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena lonicerae transferens* Verity, 1925; misspelled 'brittaniae'.

caerulea (if)—*Procris cognata* 'forma' *caerulea* Verity, 1946—Redia 31(1945/46):148—Syntype 1 male [N. Italy]: Lago Maggiore: Intra: Pian Quaggie: 950 m: 7 VI 1922: Verity [leg.].

caerulea (if)—*Procris cognata* 'forma' *caerulea* Verity, 1946—Redia

31(1945/46):134—Holotype male Italia centrale: Toscana: [Firenze]: Fiesole: Monte Fanna: 15 VII 1917: Querci [leg.].

caerulea (if)—*Adscita manni* 'razza' bellieri 'forma' caerulea Verity, 1946—Redia 31(1945/46):143—Syntype 1 female [S. Italy]: Isola di Sicilia: Palermo: Monreale: S. Martino: 900 m: 5 V 1918: Querci [leg.].

caerulaeochsenheimeri (ra)—*Zygaena filipendulae* 'eserge' stoechadis 'razza' caerulaeochsenheimeri Verity, 1930—Memorie Soc. ent. ital. 9:23—Syntypes 35 males, 28 females [N. Italy]: Alpi Pennine: Vanzone: 700 m: 10-17 VII 1924, 16 VII-4 VIII 1928: Verity [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae caerulaeochsenheimeri* [nec Verity] (ssp.).

***calabra** (ra)—*Zygaena filipendulae* 'race' calabra Verity, 1917—Bull. Soc. ent. Fr. 1917:223—Syntypes 5 males, 3 females Italia meridionale: Calabria: Aspromonte: 1200 m: 14-21 VII 1914: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae calabra* (ssp.).

calabraochsenheimeri (ra)—*Zygaena filipendulae* 'subspecies' stoechadis 'race' calabraochsenheimeri Verity, 1921—Entomologist's Rec. J. Var. 33:112—Syntypes 6 males, 5 females [S. Italy]: Catena: Costera calabra: Cosenza: S. Fili: 900 m: 20 V-27VI 1920: Querci [leg.].—Name originally proposed hyphenated: *calabra-ochsenheimeri*.—Reiss & Tremewan (1967): *Zygaena filipendulae calabraochsenheimeri* [nec Verity] (ssp.).

calabricola (nn)—*Anthrocera (Argumentia) carniolica* 'razza' calabricola Verity, 1946—Redia 31(1945/46):67—Replacement name for unavailable infrasubspecific name *Zygaena carniolica apennina calabrica* Turati, 1913, said to be preoccupied by available name *Zygaena transalpina calabrica* Calberla, 1895.—Reiss & Tremewan (1967): *Zygaena carniolica calabricola* [nec Verity] (ssp.).

CALEDONIAE (ex)—*Zygaena fulvia* 'eserge' caledoniae Verity, 1930—Memorie Soc. ent. ital. 9:21—Holotype 1 female [Great Britain]: Sound of Hull: 1 V 1921.—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena loti scotica* Rowland-Brown, 1919.

***carnica** (ra)—*Zygaena purpuralis* 'razza' carnica Verity, 1930—Memorie Soc. ent. ital. 9:12—Lectotype male (Naumann, 1983) [N. Italy]: Alpi Carniche: Sappada: 1300 m: 15 VII 1925: Verity [leg.]; paralectotypes 16 males, 17 females same data but 9-25 VII 1925.—Reiss & Tremewan (1967) and Naumann (1983): *Zygaena purpuralis carnica* (ssp.).

centralitaliae (if)—[*Zygaena lonicerae*] 'subspecies' trifolii 'form' centralitaliae Verity, 1925.—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 63-66.—Syntypes 2 males, 1 female; 1 male, 1 female Italia centrale: Piceno: Massiccio Sibillini: 1500 m: 23 VII 1918, VI 1913; 1 male Italia centrale: Ascoli Piceno: Pizzo Tre Vescovi: 18-24 VII 1923: Querci

[leg.].—Reiss & Tremewan (1967): *Zygaena loniceræ pauper centralitaliæ* (ab.).

***cicaleti** (ra)—*Zygaena fulvia* 'razza' *cicaleti* Verity, 1930—Memorie Soc. ent. ital. 9:19—Syntypes 118 males, 36 females [Italy: Toscana]: Firenze: Pian di Mugnone: 12 V-13 VI 1915, 1-15 VIII 1915: Quer [leg.].—Reiss & Tremewan (1967): *Zygaena loti cicaleti* (ssp.).

crasseunco (if)—*Zygaena fulvia* 'forma' *crasseunco* Verity, 1930—Memorie Soc. ent. ital. 9:20—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena loti tuscomodica crasseunco* (ab.).

decreta (ra)—[*Zygaena loniceræ*] 'subspecies' *trifolii* 'race' *decreta*, Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, fig. 34-36—Syntypes 33 males, 22 females [Great Britain]: Sussex: Grosvenor [leg.].—Reiss & Tremewan (1967): *Zygaena trifolii decreta* [nec Verity] (ssp.).

denticulata (if)—*Adscita mannii* 'f[orma]' *denticulata* Verity, 1946—Redia 31(1945/46):140—[Italy]: Genova; Gavinana.

dimorphica (ra)—*Zygaena loniceræ* 'subspecies' *transferens* 'race' *dimorphica* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 54, 55—Syntypes 5 males, 4 females [S. Italy]: Catena Costiera Calabria: Cosenza: San Fili: 1-23 VI 1920: Querci [leg.].—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena loniceræ herthæ* Stauder, 1920.

divisa (if)—*Zygaena oxytropis divisa* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:77—[Italy: Macerata]—Reiss & Tremewan (1967): *Zygaena oxytropis siblyllina divisa* (ab.).

duponcheli (ra)—*Zygaena filipendulæ* 'subspecies' *stoechadis* 'race' *duponcheli* Verity, 1921—Entomologist's Rec. J. Var. 33:124—Syntypes(?) 1 male [France]: Alpes-Mar[itimes]: env. de Nice: 8-10 VIII 1907: Oberthuer [leg.]; 2 males Alpes Maritimes: Vallee de Loup; 1 male Alpes Maritimes: Bar de Loups.—Reiss & Tremewan (1967): *Zygaena filipendulæ duponcheli* [nec Verity] (ssp.).

duponcheliella (sf)—[*Zygaena loniceræ*] 'subspecies' *trifolii* 'race' *duponcheliella* '2nd gen.' *duponcheliella* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 44-45—Syntypes 3 males, 1 female [France]: Rognac: Marais 24 IX 1916—Reiss & Tremewan (1967): *Zygaena trifolii dumezi duponcheliella* (f.t.).

elongata (if)—*Zygaena achillæ elongata* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:73—Italy: Macerata.—Type-material said to be deposited in Oberthuer's collection.—Reiss & Tremewan (1967): *Zygaena loti aspera elongata* (ab.).

EMENDATA [ssp.]—*Zygaena transalpina emendata* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:76—Italy: Macerata: Colle Torri; type-

material lost—Name originally published in trinominal combination, given the rank of subspecies by implication.—Reiss & Tremewan (1967): *Zygaena transalpina emendata* (ssp.).

***eminens** (ra)—*Zygaena (Agrumenia) carniolica* 'razza' *eminens* Verity, 1946—Redia 31(1945/46):64—Syntypes 15 males, 9 females Italia centrale: Firenze: Firenzuola: 500 m: V-VII 1913-17: Querci & Verity [leg.]; 2 males, 2 females Italia centrale: Firenze: Traversa: 900 m: 4-5 VII 1915: Querci [leg.]; 5 males, 6 females Italia centrale: Toscana: Palazzuolo Romagna; 700 m: 4 VII-19 VIII 1917: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena carniolica eminens* (ssp.).

emirubra (if)—*Zygaena achillae emirubra* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:73—Italy: Macerata: Piceno; type-material said to be deposited in Oberthuer's collection.—Treated as an individual form by implication.—Reiss & Tremewan (1967): *Zygaena loti aspera emirubra* (ab.).

erythraeformis (if)—*Zygaena rubicunda erythraeformis* 'n.var.' Verity, 1916—Bull. Soc. ent. Fr. 1916:289—Italy: Sicily: Palermo.—Proposed explicitly for individual form.—Reiss & Tremewan (1967): *Zygaena erythrus saportae erythraeformis* (ab.).

etruriae (ra)—[*Zygaena loniceriae*] 'subspecies' *loniceriae* 'race' *etruriae* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 70-71—Syntypes 5 males, 3 females Italia centrale: Toscana: Monte Senario: 700 m: 12 VII 1918: Verity [leg.]; 2 males, 3 females [Italy: Toscana: Appennino Pistoiese]: Abetone: [1500 m]: 8-10 VII [19]12.—Reiss & Tremewan (1967): *Zygaena loniceriae etruriae* [nec Verity] (ssp.).

etrusca (ra)—*Zygaena filipendulae* 'subspecies' *stoechadis* 'race' *etrusca* Verity, 1921—Entomologist's Rec. J. Var. 33:125—Syntypes 2 males, 3 females Italia centrale: Toscana: Firenzuola: Palasarcio: 150 m; 3 males, 2 females same data but: Ceviglio: 250 m; all specimens 9 VII 1917: Verity [leg.]—Reiss & Tremewan (1967): *Zygaena filipendulae etrusca* [nec Verity] (ssp.).

excelsior (ra)—*Zygaena sarpedon* 'eserge' *punctum* 'razza' *excelsior* Verity, 1930—Memorie Soc. ent. ital. 9:12—Syntypes 41 males, 11 females Italia centrale: Ascoli Piceno: Pizzo Tre Vescovi: 10-20 VII 1923: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena punctum excelsior* [nec Verity] (ssp.).

***florentina** (ra)—*Zygaena carniolica* 'razza' *florentina* Verity, 1920—Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici 14:41—Syntypes 34 males, 12 females Italia centrale: Firenze: Pian di Mugnone.—Reiss & Tremewan (1967): *Zygaena carniolica florentina* (ssp.).

frigidochsenheimeri (ra)—*Zygaena filipendulae* 'eserge' *stoechadis* 'razza' *frigidochsenheimeri* Verity, 1930—Memorie Soc. ent. ital. 9:23—Syntypes 52 males, 42 females [N. Italy]: Alpi Carniche: Sappada: 1200

m: 9-31 VII 1926—Verity [leg.]; 17 VI-21 VII 1915/16: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena filipendulae frigidochsenheimeri* [nec Verity] (ssp.).

glaciei (ra)—[*Zygaena loniceræ*] ‘subspecies’ *loniceræ* ‘race’ *glaciei* Verity, 1925—Entomologist’s Rec. J. Var. 37:117, pl. 8, fig. 86—Syntypes 1 male, 1 female [N. Italy: Piemonte]: Alpi Pennine: [Val] Formazza: 1300 m: 4 VIII 1924.—Reiss & Tremewan (1967): *Zygaena loniceræ glaciei* [nec Verity] (ssp.).

***glacieimagismaculata** (ra)—*Zygaena loniceræ* ‘razza’ *glacieimagismaculata* Verity, 1930—Memorie Soc. ent. ital. 9:25—Syntypes 31 males, 36 females [N. Italy]: Alpi Carniche: Sappada: 1300 m: 4 VII-7 VIII 1926: Verity [leg.]—Reiss & Tremewan (1967): *Zygaena loniceræ glacieimagismaculata* (ssp.).

***glauca** (ra)—*Adscita mannii* ‘razza’ *glauca* Verity, 1946—Redia 31(1945/46):144—Syntypes 4 males, 1 female [C. Italy: Toscana]: Appennino Pistoiese: Abetone: 1000 m: 10-25 VII 1929, 9 VII 1912.

***gracilis** (ra)—*Adscita mannii* ‘razza’ *gracilis* Verity, 1946—Redia 31(1945/46):144—Syntypes 8 males, 4 females [C. Italy]: Abruzzi: Gran Sasso: [sopra Castel del Monte]: 1300-1500 m: 1939: Romei [leg.].

grosvenori (hy)—[*Zygaena loniceræ*] ‘subspecies’ *trifolii* ‘hybrid *decreta x tutti*’ *grosvenori* Verity, 1925—Entomologist’s Rec. J. Var. 37:117, pl. 8, fig. 39—Syntypes 2 males [Great Britain]: Sussex: 25 VII 1921: Grosvenor [leg.]—Reiss & Tremewan (1967): *Zygaena trifolii* ‘hybrid’ *grosvenori* (unavailable name).

gueneiformis (if)—*Zygaena oxytropis gueneiformis* ‘nom.nov.’ Verity, 1916—Bull. Soc. ent. Fr. 1916:78—Italy: Macerata (by implication).—Treated as an individual form by implication.—Reiss & Tremewan (1967): *Zygaena oxytropis sibyllina gueneiformis* (ab.).

guttata (if)—*Zygaena filipendulae* ‘form’ *guttata* Verity, 1921—Entomologist’s Rec. J. Var. 33:149—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae aterrima guttata* (ab.).

hibera (ra)—[*Zygaena loniceræ*] ‘subspecies’ *palustris* ‘race’ *hibera* Verity, 1925—Entomologist’s Rec. J. Var. 37:117, pl. 8, figs. 1, 2—Syntypes 7 males, 3 females Espana: [Ovideo]: Asturias: 20 VII 1920—Reiss & Tremewan (1967): *Zygaena trifolii hibera* [nec Verity] (ssp.).

hibernuncula (if)—[*Zygaena loniceræ*] ‘subspecies’ *palustris* ‘race’ *hibera* ‘form’ *hibernuncula* Verity, 1925—Entomologist’s Rec. J. Var. 37:117, pl. 8, figs. 3-5—Syntypes 5 males, 3 females Espana: [Ovideo]: Asturias: 20 VII [19]20.—Reiss & Tremewan (1967): *Zygaena trifolii hibera hibernuncula* (ab.).

hispana (ra)—*Zygaena loti* ‘subspecies’ *transalpina* ‘race’ *hispana* Verity, 1920—Entomologist’s Rec. J. Var. 32:31—Spain: Valenzia (=

Valencia); holotype said to be deposited in the Ruehl's collection.—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena transalpina calabrica* [sic] Calberla, 1895.

***hyalicolor** (ra)—*Adscita alpina* 'razza' *hyalicolor* Verity, 1946—*Redia* 31(1945/46):150—Syntypes 3 males, 1 female [N. Italy]: Alpi Carniche: Sappada: [1300 m]: 22 VII [19]36; same data but: Fenili d'Olbe: 1600 m: 5 VII 1936; [all Rocca leg.].

incisa (if)—*Zygaena purpuralis* 'race' *normanna* 'form' *incisa* Verity, 1922—*Entomologist's Rec. J. Var.* 34:34—Syntype 1 female [N. France]: Eure: Porta de l'Arche: 5 VIII 1916—The specimen was designated lectotype of *Z. purpuralis normanna* Verity, 1922, by Naumann (1983).—Reiss & Tremewan (1967): *Zygaena diaphana normanna incisa* (ab.).

intermixta (ra)—*Zygaena loniceræ* 'subspecies' *transferens* 'race' *intermixta* Verity, 1920—*Entomologist's Rec. J. Var.* 32:76—Syntypes 23 males, 26 females [Spain]: Aragon: Orihuela: 1700 m: 7-13 VII [19]24; 1 male Aragon: Noguera: 1400 m: 8 VII [19]24; all: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena loniceræ intermixta* [nec Verity] (ssp.).

intricata (sf)—*Zygaena loniceræ* 'subspecies' *trifolii* 'race' *syracusia* 'seasonal form' *intricata* Verity, 1926—*Entomologist's Rec. J. Var.* 38:23—Syntypes 7 males, 34 females [Spain]: Catalonia: Llobregat: 2 m: 2-9 X 1925: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena trifolii barcelonensis intricata* (f.t.).

***isarca** (ra)—*Zygaena purpuralis* 'race' *isarca* Verity, 1922—*Entomologist's Rec. J. Var.* 34:32—Lectotype male (Naumann, 1983): [N. Italy]: Suedtirol: 191[?]; paralectotypes 5 males, 4 females: same data.—Reiss & Tremewan (1967): *Zygaena purpuralis isarca* (ssp.).

italaparva (ra)—*Zygaena sarpedon* 'eserge' *punctum* 'razza' *italaparva* Verity, 1930—*Memorie Soc. ent. ital.* 9:14—Syntypes 12 males, 9 females [C. Italy]: Toscana: Firenze: Pian di Mugnone: 1-29 VII 1916; Colline di Firenze: 200 m: 20-22 VII 1914, 3-6 VII 1921: Querci [leg.]—Reiss & Tremewan (1967): *Zygaena punctum italaparva* [nec Verity] (ssp.).

***jurae** (ra)—*Zygaena purpuralis* 'race' *jurae* Verity, 1922—*Entomologist's Rec. J. Var.* 34:34—Lectotype male (Naumann, 1983): Jura Suisse: 9 VII [19]20; paralectotypes 15 males, 14 females: same data.—Reiss & Tremewan (1967): *Zygaena purpuralis jurae* (ssp.).

latelimbata (if)—*Zygaena filipendulae* 'form' *latelimbata* Verity, 1921—*Entomologist's Rec. J. Var.* 33:147—Type-locality not stated.—Reiss & Tremewan (1967): *Zygaena filipendulae major latelimbata* (ab.).

laterubra (ra)—*Zygaena rhadamanthus* 'subspecies' *oxytropis* 'race' *laterubra* Verity, 1920—*Entomologist's Rec. J. Var.* 32:160—Syntypes 2 males, 9 females Suditalia: Massiccio delle Mainarde: Valle Mollarino:

[Villagrande, Villalattina]: 500 m: 18 VI 1919: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena oxytropis laterubra* [nec Verity] (ssp.).

latina (ra)—*Zygaena loti* 'subspecies' *transalpina* 'race' *latina* Verity, 1920—Entomologist's Rec. J. Var. 32:31—Syntypes 21 males [S. Italy: Campania]: Caserta: Atina, V[illa] Latina: 3-16 VII 1919: Rocci [leg.].—Reiss & Tremewan (1967): *Zygaena transalpina latina* [nec Verity] (ssp.).

latiorelimbata (if)—*Zygaena filipendulae* 'form' *latiorelimbata* Verity, 1921—Entomologist's Rec. J. Var. 33:147—Type-locality not known.—*Zygaena filipendulae etrusca latiorelimbata* (ab.).

latissimelimbata (if)—*Zygaena filipendulae* 'form' *latissimelimbata* Verity, 1921—Entomologist's Rec. J. Var. 33:147—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae aterrima latissimelimbata* (ab.).

***ligus** (ra)—*Anthrocera (Polymorpha) ephialtes* 'razza' *ligus* Verity, 1946—Redia 31(1945/46):78—Syntypes 4 males [NW Italy: Savona]: Celle Lig[ure]: VI 1914—Reiss & Tremewan (1967): *Zygaena ephialtes ligus* (ssp.).

longicornibus (if)—[*Zygaena loniceræ*] 'subspecies' *trifolii* 'race' *decreta* 'form' *longicornibus* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 40, 41.—Great Britain: Sussex: Grosvenor leg.—Reiss & Tremewan (1967): *Zygaena trifolii decreta longicornibus* (ab.).

loniceraeformis (if)—*Zygaena stoechadis dubia loniceraeformis* Verity, 1916—Boll. Soc. ent. ital. 47:74—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae etrusca loniceraeformis* (ab.).

***lusitaniaemixta** (ra)—*Zygaena loniceræ* 'razza' *lusitaniaemixta* Verity, 1930—Memorie Soc. ent. ital. 9:25—Syntypes 66 males, 39 females Portugal: Serra da Estrella: 1800 m: 13 VI-23 VII 1927: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena trifolii lusitaniaemixta* (ssp.).

macula (if)—*Zygaena filipendulae* 'form' *macula* Verity, 1921—Entomologist's Rec. J. Var. 33:147—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae aterrima macula* (ab.).

magismaculata (ra)—[*Zygaena loniceræ*] 'subspecies' *loniceræ* 'race' *magismaculata* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 78, 79—Syntypes 5 males, 9 females Suisse: Geneve: 25 V, 10, 24, 29 VI, 8, 14, 29 VII, 1915-1923: Weber and Bolle [leg.].—Reiss & Tremewan (1967): *Zygaena loniceræ magismaculata* [nec Verity] (ssp.).

***magnalpina** (ra)—*Zygaena purpuralis* 'race' *magnalpina* Verity, 1922—Entomologist's Rec. J. Var. 34:33—Lectotype male (Naumann, 1983) [France: Hautes-Pyrenees]: Gedre: Rondou [leg.]; paralectotypes 8 males, 1 female same data.—Reiss & Tremewan (1967): *Zygaena pur-*

purialis magnalpina (ssp.); Naumann (1983): *Zygaena purpuralis magnalpina* (ssp.).

magnamacula (if)—*Zygaena filipendulae* 'form' *magnamacula* Verity, 1921—Entomologist's Rec. J. Var. 33:148—Type-locality not stated or known.—Reiss & Tremewan (1967): *Zygaena filipendulae aterrima magnamacula* (ab.).

magnaustralis (ra)—[*Zygaena loniceræ*] 'subspecies' *trifolii* 'race' *magnaustralis* Verity, 1925—Entomologist's Rec. J. Var. 37:117—Holotype male Algeria: Faroult [leg.]: ex Turati coll.—Reiss & Tremewan (1967): *Zygaena trifolii magnaustralis* [nec Verity] (ssp.).

***magnaustralis** (ra)—*Anthrocera (Agrumenia) carniolica* 'razza' *magnaustralis* Verity, 1946—Redia 31(1945/46):66—Syntypes 8 males, 5 females [C. Italy: Lazio: Roma]: Formia: 21 VI 1938: Querci [leg.].—Reiss & Tremewan (1964) erroneously considered this name to be junior secondary homonym of *Zygaena loniceræ trifolii magnaustralis* Verity, 1925, which is unavailable on account of its quadrinomial original combination, and were therefore unjustified to replace it with *Zygaena carniolica formiacola* Reiss & Tremewan, 1964.—Reiss & Tremewan (1967): *Zygaena carniolica formiacola*—the above error repeated.

microchsenheimeri (ra)—*Zygaena filipendulae* 'subspecies' *stoechadis* 'race' *microchsenheimeri* Verity, 1921—Entomologist's Rec. J. Var. 33:114—Syntypes 37 males, 9 females Sud Italia: Massiccio delle Mainarde: Valle Mollarino: 10-18 VII 1919: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae microchsenheimeri* [nec Verity] (ssp.).

microduponcheli (sf)—*Anthrocera (Anthrocera = Thermophila) filipendulae* 'razza' *duponcheli* '2nd gen.' *microduponcheli* Verity, 1946—Redia 31(1945/46):67—Syntypes 6 males, 14 females [S. France]: A[lpes]-M[aritime]: Venice: 21 VIII - 2 IX 1937: Verity [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae duponcheli microduponcheli* (f.t.).

microdysrepta (ra)—*Zygaena sarpedon* 'eserge' *punctum* 'razza' *microdysrepta* Verity, 1930—Memorie Soc. ent. ital. 9:13—Syntypes 3 males, 1 female Italia centrale: Caserta: Monti Aurunci: Valle del Petrella: 1200 m: 30 VI 1911.—Reiss & Tremewan (1967): *Zygaena punctum faitensis microdysrepta* (f.loc.).

microetrusca (sr, sf)—*Anthrocera (Anthrocera = Thermophila) filipendulae* 'razza' *etrusca* 'sottorazza' *microetrusca* Verity, 1946—Redia 31(1945/46):68—Syntypes 12 males, 6 females [C. Italy: Toscana: Chianti]: Greve: S. Giusto: 22 VII - 1 VIII 1931: Rocci [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae etrusca microetrusca* (f.t.).

microhydesari (sr)—*Anthrocera (Agrumenia) carniolica* 'razza' *hydesari* 'sottorazza' *microhydesari* Verity, 1946—Redia 31(1945/46):61—

Syntypes 15 males, 5 females [N. Italy: Torino]: Monte Musime: 27 VII 1930: Rocci [leg.].—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena carniolica notissima* Rocci, 1941.

***microseboldi** (ra)—*Anthrocera* (*Anthrocera* = *Thermophila*) *filipendulae* 'razza' *microseboldi* Verity, 1946—*Redia* 31(1945/46):68—Syntypes 3 males, 7 females [NW Spain]: Asturias: Pajares: 1300 m: 6-8 VIII 1924: Romei [leg.].—Reiss & Tremewan (1967) Junior subjective synonym of *Zygaena filipendulae kricheldorffiana* Reiss, 1936.

minuens (sr)—[*Zygaena loniceræ*] 'subspecies' *loniceræ* 'race' *loniceræ* 'secondary race' *minuens* Verity, 1925—*Entomologist's Rec. J. Var.* 37:117, pl. 8, figs. 82, 83—Syntypes 5 males, 4 females [Germany: Bavaria]: Gammersdorf, Brandelberg: 17-29 VII 1923.—Reiss & Tremewan (1967): *Zygaena loniceræ minuens* [nec Verity] (ssp.).

minuscola (sr)—*Adscita alpina* 'razza' *hyalicolor* 'sottorazza' *minuscola* Verity, 1946—*Redia* 31(1945/46):151—Syntypes 1 male [N. Italy]: Val di Gares: Porta di Ferrade: 1000 m; 1 male, 1 female [N. Italy]: C[olle] di Campione: 1182 m: 28 VI 1937: Rocca [leg.].

minutissima (nn)—*Zygaena loniceræ* 'subspecies' *loniceræ* 'race' *loniceræ* 'form' *minutissima* Verity, 1926—*Entomologist's Rec. J. Var.* 38:73—Replacement name for *Zygaena loniceræ minor* Tutt, 1899, said to be preoccupied by *Zygaena trifolii minor* Tutt, 1899.—Reiss & Tremewan (1967): *Zygaena loniceræ transferens minutissima* (ab.).

***mirabilis** (ra)—*Zygaena purpuralis* 'race' *mirabilis* Verity, 1922—*Entomologist's Rec. J. Var.* 34:32—Lectotype female (Naumann, 1983) [S. Italy]: Catena: Costiera Calabria: Cosenza: San Fili: 4 VI 1926: Querci [leg.]; paralectotypes 4 males, 9 females.—The above cited designation of the lectotypes is invalid because the specimen selected does not belong to the type-series: it was collected as late as 1926 while the taxon was already named in 1922.—Reiss & Tremewan (1967): *Zygaena purpuralis mirabilis* (ssp.); Naumann (1983): *Zygaena purpuralis mirabilis* (ssp.).

misera (ra)—[*Zygaena loniceræ*] 'subspecies' *loniceræ* 'race' *misera* Verity, 1925—*Entomologist's Rec. J. Var.* 37:117, pl. 8, figs. 84, 85—Syntypes 2 males [Great Britain]: Sussex: Grosvenor [leg.].—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena loniceræ transferens* Verity, 1926.

***miserrima** (ra)—*Zygaena erythrus* 'race' *miserrima* Verity, 1931—*Entomologist's Rec. J. Var.* 34:31—Syntype 1 female [N. Italy]: Piemonte: Musime: coll. Granelli (ex Oberthuer).—Reiss & Tremewan (1967): *Zygaena erythrus miserrima* (ssp.).

***modesta** (ra)—*Procris subsolana* 'razza' *modesta* Verity, 1946—*Redia* 31(1945/46):129—Syntypes 5 males [C. Italy]: Abruzzi: Gran Sasso: 1300-1500 m: 1939: Romei [leg.].

montivaga (if)—*Zygaena stoechadis dubia montivaga* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:73—Syntypes 20 males, 7 females Italia centrale: Piceno: Monti Sibillini: 1200 m: VII 1913; 5 males, 4 females same data but: Bolognola: 1500 m: 19-26 VII 1913: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae montivaga* [nec Verity] (ssp.).

***nantuatum** (ra)—*Anthrocera (Polymorpha) transalpina* 'razza' *nantuatum* Verity, 1946—Redia 31(1945/46):76—Syntypes 14 males, 11 females [Switzerland]: Vaud: Bex, Lavey: 1-20 VII 1932.—Reiss & Tremewan (1967): *Zygaena transalpina nantuatum* (ssp.).

***normanna** (ra)—*Zygaena purpuralis* 'race' *normanna* Verity, 1922—Entomologist's Rec. J. Var. 34:34—Lectotype male (Naumann, 1983) [France]: Eure: Pont del'Arche: 18 VII 1905; paralectotypes 6 males, 5 females—Reiss & Tremewan (1967): *Zygaena diaphana normanna* (ssp.); Naumann (1983): *Zygaena minos normanna* (ssp.).

oblongomacula (if)—*Zygaena filipendulae* 'eserge' *stoechadis* 'razza' *frigidochsenheimeri* 'forma' *oblongomacula* Verity, 1930—Memorie Soc. ent. ital. 9:24—Holotype (?) male [N. Italy]: Alpi Sappada: 1300 m: 29 VII 1926: Verity [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae frigidochsenheimeri oblongomacula* (ab.).

oraria (ra)—*Zygaena filipendulae* 'subspecies' *stoechadis* 'race' *oraria* Verity, 1921—Entomologist's Rec. J. Var. 33:126—Syntypes 28 males, 18 females [C. Italy]: Lucca: Forte dei Marmi: 18 VII-8VIII 1918.—Reiss & Tremewan (1967): *Zygaena filipendulae oraria* [nec Verity] (ssp.).

oxytropiferens (ra)—*Zygaena radamanthus* 'subspecies' *rhadamanthus* race' *oxytropiferens* Verity, 1920—Entomologist's Rec. J. Var. 32:161—S. France: Alpes Maritimes: Menton: 1907; name for specimens figured by Oberthür (1910) in Etud. Lepid. comp. 4:592.—Reiss & Tremewan (1967): *Zygaena rhadamnathus oxytropiferens* [nec Verity] (ssp.).

palustrella (ra)—[*Zygaena lonicerae*] 'subspecies' *palustris* 'race' *palustrella* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 8, 9—Syntypes 3 males, 3 females [Great Britain]: Surrey: 5-7 VI 1922: Grosvenor [leg.].—Reiss & Tremewan (1967): *Zygaena trifolii palustrella* [nec Verity] (ssp.).

paraustralis (ra)—*Zygaena lonicerae* 'subspecies' *trinacria* 'race' *paraustralis* Verity, 1926—Entomologist's Rec. J. Var. 38:11, 24—Syntypes 2 males [S. Italy]: Sicilia: Rag[usa leg.].—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena trifolii syracusia* Zeller, 1847.

***parvalpina** (ra)—*Zygaena purpuralis* 'race' *parvalpina* Verity, 1922—Entomologist's Rec. J. Var. 34:33—Lectotype male (Naumann, 1983) [N. Italy: Alpi Marittime]: Valdieri: 1909; paralectotypes 4 males, 2 females same locality but: 3 VII [19]10, 25 VII [19]11. One female paralectotype

(i.e. one of the former syntypes) belongs to a different species, known under well established name *Zygaena brizae vesubiana* Le Charles, 1933; since the designation by Naumann (1983) of the name bearing lectotype, this fact is of no consequence so far as the nomenclature of any of these two species is concerned.—Reiss & Tremewan (1967): *Zygaena purpuralis parvalpina* (ssp.); Naumann (1983): *Zygaena purpuralis parvalpina* (ssp.).

paulula (ra)—*Zygaena filipendulae* 'subspecies' *filipendulae* 'race' *paulula* Verity, 1921—Entomologist's Rec. J. Var. 33:89—Syntypes 1 male, 1 female [N. Italy]: Suedtirol: [Solfer-Joch]: 191[?].—Reiss & Tremewan (1967): *Zygaena filipendulae paulula* [nec Verity] (ssp.).

pauper (ra)—[*Zygaena loniceræ*] 'subspecies' *loniceræ* 'race' *pauper* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 61, 62—Syntypes 1 male, 1 female Italia centrale: Piceno: Monti Sibillini: 1800 m; 1 male, 2 females same data but: Pizzo Tre Vescovi: 1700-1800 m: 26 VII 1923; Italia centrale: Marche: Alta Valle di Fergano: 1400 m: 2 VII 1920; 1 male same date but: Massacci di Bolognola: 1200 m: 7 VII 1922; [mostly] Querci [leg.].—Reiss & Tremewan (1967): *Zygaena loniceræ pauper* [nec Verity] (ssp.).

paupericula (sr)—*Zygaena filipendulae* 'subspecies' *filipendulae* 'race' *pulchrior* 'subrace' *paupericula* Verity, 1921—Entomologist's Rec. J. Var. 33:90—Syntypes 2 males, 1 female [Austria: Wien]: Gumpoldskirchen, Oberweiden: VI, 12 VI 1916.—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena filipendulae pulchrior* [nec Verity].

pauperetincta (ra)—[*Zygaena loniceræ*] 'subspecies' *loniceræ* 'race' *pauperetincta* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 68, 69—Syntypes 2 males Italia centrale: Marche: Valle del'Fergano: 1400 m: 2 & 19 VII 1922; 1 male Italia centrale: Ascoli Piceno: Valle del Frostrone: 1000 m: 23 VIII 1922; 5 males, 7 females Italia centrale: Ascoli Piceno: Pizzo Tre Vescovi: 1200 m: 18-30 VII 1923; 9 males, 3 females Italia centrale: Macerata: Monti Sibillini: Bolognola: Massacci di Bolognola: 1200-1600 m: 16 VI 1918, 23 VI 1922, 6-23 VII 1923; [mostly] Querci [leg.].—Reiss & Tremewan (1967): *Zygaena loniceræ pauperetincta* [nec Verity] (ssp.).

plutonia (if)—*Zygaena purpuralis minos* 'form' *plutonia* Verity, 1922—Entomologist's Rec. J. Var. 34:34—Holotype male [Austria: Wien]: Werger: 1906; described from a single specimen.—Reiss & Tremewan (1967): *Zygaena purpuralis monos plutonia* (ab.).

polygalaeformis (if)—*Zygaena rubicundus polygalaeformis* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:71—C. Italy: Macerata: Piano Astore; holotype said to be in the Oberthür collection.—Treated as individual form by implication.—Reiss & Tremewan (1967): *Zygaena*

rubicundus rubicundus polygalaeformis (ab.).

posticeobscurata (if)—*Zygaena lonicerae* 'razza' *vivax* 'forma' *posticeobscurata* Verity, 1920—Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici 14:39—Syntype 1 male Suditalia: Massiccio delle Mainarde: Valle Mollarino: 500 m: 26 VI 1919: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena lonicerae vivax posticeobscurata* [sic] (ssp.).

***praeochsenheimeri** (ra)—*Zygaena filipendulae* 'race' *praeochsenheimeri* Verity, 1939—Entomologist's Rec. J. Var. (Suppl.) 51(1):(19)—Syntypes 45 males, 13 females [Greece]: Macedonia: Olympus: [Skala; S. Dionisio]: 900-2500 ft.: VI-VII 1936: Romei [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae praeochsenheimeri* (ssp.).

***pseudostatice** (ra)—*Adscita mannii* 'razza' *pseudostatice* Verity, 1946—Redia 31(1945/46):146—Syntypes 1 male, 1 female [S. France]: Alpes Maritimes: Vallee des Loup; 4 males, 1 female A[lpes-] M[aritime]: St. Barnabe: 21-29 V 1933: Gazel [leg.].

pulcherrima (ra)—*Zygaena filipendulae* 'subspecies' *filipendulae* 'race' *pulcherrima* Verity, 1921—Entomologist's Rec. J. Var. 33:90—Syntypes 32 males, 13 females [France]: Charente Inferieure: Dompierre: 10-18 VI 1908—Boule [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae pulcherrima* [nec Verity] (ssp.).

pulcherrimaeformis (if)—*Zygaena filipendulae* 'subspecies' *stoechadis* 'form' *pulcherrimaeformis* Verity, 1921—Entomologist's Rec. J. Var. 33:110—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae calabra pulcherrima* (ab.).

pulcherrimastoechadis (ra)—*Zygaena filipendulae* 'subspecies' *filipendulae* or *stoechadis* 'race' *pulcherrimastoechadis* Verity, 1921—Entomologist's Rec. J. Var. 33:109—Syntypes 3 males, 11 females Italia settentrionale: Emilia: VI 1917: Costantini [leg.]; 9 males, 4 females same data but: Borzeno: 8-9 VII 1914; 2 males, 1 female same data but: Modena: Colli di Scandiano: 10-13 VII 1914: Respigone [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae pulcherrimastoechadis* [nec Verity] (ssp.).

pulchrrior (ra)—*Zygaena filipendulae* 'subspecies' *filipendulae* or *stoechadis* 'race' *pulchrrior* Verity, 1921—Entomologist's Rec. J. Var. 33:90—Syntypes 4 males, 3 females Austria inferior: Klosterneuberg: 9 VII 1916: Höfer [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae pulchrrior* [nec Verity] (ssp.).

pumila (ra)—*Zygaena rhadamanthus* 'subspecies' *oxytropis* 'race' *pumila* Verity, 1920—Entomologist's Rec. J. Var. 32:160—Italy: Toscana: Traversa: Futa Pass: 2700 ft. (= 850 m).—Reiss & Tremewan (1967): *Zygaena oxytropis pumila* [nec Verity] (ssp.).

punctonotata (if)—*Zygaena lonicerae* 'subspecies' *trinacria* 'form'

punctonotata Verity, 1926—Entomologist's Rec. J. Var. 38:12—S. Italy: Sicily: Palermo: Lupo; type-material said to be deposited in the Rothschild collection.—Reiss & Tremewan (1967): *Zygaena trifolii trinacria punctonotata* (ab.).

pyrenaea (ra)—*Zygaena rhadamanthus* 'subspecies' *rhadamanthus* 'race' *pyrenaea* Verity, 1920—Entomologist's Rec. J. Var. 32:161—Syntypes(?) 7 males S. France: Pyrenees Orientales: [La Trancada d']Ambuilles: 10 IV 1917; name for specimens described by Oberthür (1910) in *Etud. Lepid. comp.* 4:590.—Reiss & Tremewan (1967): *Zygaena rhadamanthus pyrenaea* [nec Verity] (ssp.).

pyrenes (ra)—*Zygaena filipendulae* 'subspecies' *stoechadis* 'race' *pyrenes* Verity, 1921—Entomologist's Rec. J. Var. 33:122—Syntypes 9 males [S. France]: Pyrenees Orientales: Vernet-les-Bains: VIII-IX 1909: R. Oberthür & Powell [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae pyrenes* [nec Verity] (ssp.).

quercii (ra)—*Zygaena rhadamanthus* 'subspecies' *oxytropis* 'race' *quercii* Verity, 1920—Entomologist's Rec. J. Var. 32:160—Syntypes 28 males, 6 females [S. Italy]: Isola di Sicilia: Palermo: Monreale: S. Martino: 800 m: 18-22 V 1918: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena oxytropis quercii* [nec Verity] (ssp.).

radiis (if)—*Zygaena filipendulae* 'form' *radiis* Verity, 1921—Entomologist's Rec. J. Var. 33:148—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae aterrima radiis* (ab.).

radiiszonata (if)—*Zygaena filipendulae* 'form' *radiiszonata* Verity, 1921—Entomologist's Rec. J. Var. 33:148—Type-locality not known; name originally published hyphenated.—Reiss & Tremewan (1967): *Zygaena filipendulae aterrima radiiszonata* (ab.).

***roccii** (ra)—*Zygaena carniolica* 'razza' *roccii* Verity, 1920—Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici 14:42—Syntypes 24 males, 3 females Italia settentrionale: Liguria: Genova: Quezzi: 12 V-2 VI 1917, 1919: Rocci [leg.].—Reiss & Tremewan (1967): *Zygaena carniolica roccii* (ssp.).

rosella (if)—*Zygaena lonicerae* 'subspecies' *trifolii* 'race' *magnaustralis* 'form' *rosella* Verity, 1926—Entomologist's Rec. J. Var. 38:24—Holotype male [Spain]: Arragonien.—Reiss & Tremewan (1967): *Zygaena trifolii noguerensis rosella* (ab.).

rubens (ra)—*Zygaena ephialtes* 'sottospecies' *ephialtes* 'razza' *rubens* Verity, 1920—Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici 14:39—Syntypes 3 males, 1 female [France]: Parigi: Issy, Lardy, Bouray: 27 VII 1919, 15 VII 1920(?).—It is not quite certain whether the specimen collected 15 VII 1920 really belongs to the type-series. Type-locality was established by Verity (1946) in *Redia* 31(1945/46):77. Reiss & Tremewan erroneously rejected the name dated 1920 because of the author's failure

to state the type-locality, considering it *nomen nudum*, apparently unaware that the stating of type-locality is not a condition for availability of species-group names (cf. International Code of Zoological Nomenclature); they considered the name available as from 1946 (cf. above) and treated it as subspecies: *Zygaena ephialtes rubens* [nec Verity] (ssp.).

***ruberrima** (ra)—*Zygaena achillae* 'razza' *ruberrima* Verity, 1920—Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici 14:37—Syntypes 58 males, 11 females Suditalia: Massiccio delle Mainarde: Valle Mollarino: V-VI 1919: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena loti ruberrima* (ssp.).

rubicundiformis (if)—*Zygaena sarpedon* 'esserge' *punctum* 'razza' *excelsior* 'forma' *rubicundiformis* Verity, 1930—Memorie Soc. ent. ital. 9:13—Syntypes 1 male, 1 femae Italia centrale: Ascoli Piceno: Pizzo Tre Vescovi: 1700 m: 10-15 VII 1928, 18-24 VII 1928: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena punctum excelsior rubicundiformis* (ab.).

rufofimbriata (if)—*Zygaena purpuralis* 'race' *jurae* 'female form' *rufofimbriata* Verity, 1922—Entomologist's Rec. J. Var. 34:35—Syntypes 2 females Suisse: Jura: [Dombresson]—The specimens were also designated paralectotypes of *Zygaena purpuralis jurae* Verity, 1922 (Naumann, 1983); cf. *jurae*.—Reiss & Tremewan (1967): *Zygaena purpuralis jurae rufofimbriata* (ab.).

rubrosuffusa (if)—*Zygaena loniceræ* 'subspecies' *loniceræ* 'form' *rubrosuffusa* Verity, 1926—Entomologist's Rec. J. Var. 38:74—Syntype 1 female [N. Italy]: Valle Anzasca: Vanzone: 1 VIII 1924—Reiss & Tremewan (1967): Junior subjective synonym of *Zygaena loniceræ alpiungigas incendium* Oberthür, 1909 (ab.).

rubrotecta (if)—*Zygaena purpuralis* 'form' *rubrotecta* Verity, 1922—Entomologist's Rec. J. Var. 34:31—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena purpuralis mirabilis rubrotecta* (ab.).

secundogenita (sf)—[*Zygaena loniceræ*] 'subspecies' *trifolii* 'race' *syracusia* '2nd gen.' *secundogenita* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, fig. 23—S. Italy: Sicily: Catania: Plaia; holotype said to be deposited in coll. Turati.—Reiss & Tremewan (1967): *Zygaena trifolii syracusia secundogenita* (ab.).

SIBYLLINA [ssp]—*Zygaena oxytropis sibyllina* 'nom.nov.' Verity, 1916—Boll. Soc. ent. ital. 47:77—Syntypes 53 males, 5 females Italia centrale: Piceno: Monti Sibillini: 1700 m: VI 1913: Querci [leg.]; the name was originally published in trinomial combination without any indication of rank, therefore treated here as subspecies by implication.—Reiss & Tremewan (1967): *Zygaena oxytropis sibyllina* (ssp.).

siciliae (ra)—[*Zygaena loniceræ*] 'subspecies' *trifolii* 'race' *siciliae* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, fig. 14—Syntypes 3 males [S. Italy]: Sicilia, Palermo: Rag[usa leg.].—Reiss & Tremewan

(1967): Junior subjective synonym of *Zygaena trifolii syracusia* Zeller, 1847.

***siciliensis** (ra)—*Zygaena filipendulae* 'race' *siciliensis* Verity, 1917—Bull. Soc. ent. Fr. 1917:223—Syntypes 5 males, 6 females [S. Italy]: Sicilia: Palermo, Cuccio: Ragusa [leg.].—Reiss & Tremewan (1967): *Zygaena filipendulae siciliensis* (ssp.).

silaeicola (nn)—*Zygaena meliloti* 'eserge' *charon* 'razza' *silaeicola* Verity, 1930—Memorie Soc. ent. ital. 9:23—Replacement for *Anthrocera meliloti silana* Turati, 1923, said to be a junior secondary homonym of *Zygaena loniceræ silana* Burgeff, 1914, from Calabria, originally treated as 'var.', unmistakably of subspecific rank by implication.

stricta (if)—*Procris cognata* 'forma' *stricta* Verity, 1946—Redia 31 (1945/46):134—Type-locality not known.

subsyracusia (ra)—[*Zygaena loniceræ*] 'subspecies' *trifolii* 'race' *subsyracusia* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 31-33—Syntypes 2 males, 2 females [France]: St. Pierre Quiberon Pativy: 10-26 VI 1923, 1-13 VI 1924; 5 males, 2 females Plouharnel: Isthame Quiberon: 11 VI-1 VII 1923; 1 male Presqu'île de Quiberon: V 1928; 1 female Region du Quiberon: 13 VI 1924; 1 female Plouharnel: 16 V 1921.—Reiss & Tremewan (1967): *Zygaena trifolii subsyracusia* [nec Verity] (ssp.).

superdysrepta (ra)—*Zygaena sarpedon* 'eserge' *punctum* 'razza' *superdysrepta* Verity, 1930—Memorie Soc. ent. ital. 9:13—Syntypes (?) 1 male, 5 females [Italy: Latium]: Monti Aurunci: comune di Esperia: path to Madonna delle Grazie; status of specimens uncertain, based upon a group-label in Verity's handwriting: "These 6 specimens that I have from Mr. Stefanelli should be those collected by O. Querci in the Aurunci Mts.: commune di Esperia.—Reiss & Tremewan (1967): *Zygaena punctum faitensis superdysrepta* (f.loc.).

***taurinatorum** (ra)—*Zygaena cynarae* 'razza' *taurinatorum* Verity, 1930—Memorie Soc. ent. ital. 9:15—Syntypes 3 males, 2 females [N. Italy]: Torino: Mte. Musime, Colli di Torino: VI, 2 VII 1923, 12 VII 1914: Gianotti [leg.].—Reiss & Tremewan (1967): *Zygaena cynarae taurinatorum* (ssp.).

tenuelimbata (if)—*Zygaena filipendulae* 'form' *tenuelimbata* Verity, 1921—Entomologist's Rec. J. Var. 33:147—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae siciliensis tenuelimbata* (ab.).

tenuenunco (if)—*Zygaena fulvia* 'forma' *tenuenunco* Verity, 1930—Memorie Soc. ent. ital. 9:20—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena loti tuscomodica tenuenunco* (ab.).

tenuiorelimbata (if)—*Zygaena filipendulae* 'form' *tenuiorelimbata* Verity, 1921—Entomologist's Rec. J. Var. 33:147—Type-locality not

known.—Reiss & Tremewan (1967): *Zygaena filipendulae siciliensis tenuiorelimbata* (ab.).

tenuissimelimbata (if)—*Zygaena filipendulae* 'form' *tenuissimelimbata* Verity, 1921—Entomologist's Rec. J. Var. 33:147—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena filipendulae tenuissimelimbata* (ab.).

totadiaphana (if)—*Zygaena transalpina hippocrepidis alpina totadiaphana* Turati & Verity, 1912—Boll. Soc. ent. ital. 43:218—N. Italy: Alpi Marittime: Valdieri.—Not listed by Reiss & Tremewan (1967).

TRANSFERENS (ssp, ra)—*Zygaena loniceræ* 'subspecies' *transferens* 'race' *transferens* Verity, 1925—Entomologist's Rec. J. Var. 37:117, pl. 8, figs. 48, 49—Syntypes 18 males, 7 females [Great Britain]: Hertfordshire: Tring: 17 & 23 VII 1921: Grosvenor [leg.].—Reiss & Tremewan (1967): *Zygaena loniceræ transferens* (ssp.).

***translucens** (ra)—*Jordanita tenuicornis* 'razza' *translucens* Verity, 1946—Redia 31(1945/46):136—Syntypes 2 males [Italy]: Abruzzi: M. Sirente: Monterotondo: 1400 m: VII 1941; Gran Sasso: 1300-1500 m: 1939; Romei [leg.]: 1 male Sicilia: Madonie: M. Quacella: 21 V 1912: Fiori leg.

***transpadana** (ra)—*Anthrocera (Polymorpha) ephialtes* 'razza' *transpadana* Verity, 1946—Redia 31(1945/46):79—Syntypes 9 males, 10 females [N. Italy: Torino]: Soria, Turbigo: 15-16 VI 1929, 15-16 VI 1930, 7 IX 1930: Rocci [leg.].—Reiss & Tremewan (1967): *Zygaena ephialtes transpadana* (ssp.).

tricingulata (if)—*Zygaena oxytropis tricingulata* 'nom. nov.' Verity, 1916—Boll. Soc. ent. ital. 47:77—C. Italy: Macerata; name for the specimen no. 874 deposited in coll. Oberthür.—Reiss & Tremewan (1967): *Zygaena oxytropis tricingulata* (ab.).

***trinacria** (ra)—*Zygaena loniceræ* 'race' *trinacria* Verity, 1917—Bull. Soc. ent. Fr. 1917:224—Syntypes 2 males [S. Italy]: Sicilia: Lupo: Ragusa [leg.].—Reiss & Tremewan (1967): *Zygaena trifolii trinacria* (ssp.).

***tusca** (ra)—*Zygaena cynaræ* 'razza' *tusca* Verity, 1930—Memorie Soc. ent. ital. 9:15—Syntypes 14 males, 2 females [C. Italy: Toscana]: Colline di Firenze: 1-17 VII 1920-1921: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena cynaræ tusca* (ssp.).

***tuscomodica** (ra)—*Zygaena fulvia* 'razza' *tuscomodica* Verity, 1930—Memorie Soc. ent. ital. 9:19—Syntypes 69 males, 20 females Italia centrale: Toscana: Colline di Firenze: 400 m: VII-VIII 1914; 11 males, 2 females same data but: Firenze: Firenzuola: 500 m: 14 VI 1916; 4 males, 3 females same data but: Palasarcio: 9 VII 1917: Verity [leg.].—Reiss & Tremewan (1967): *Zygaena loti tuscomodica* (ssp.).

uncoflabello (if)—*Zygaena fulvia* 'forma' *uncoflabello* Verity, 1930—*Memorie Soc. ent. ital.* 9:20—Type-locality not known.—Reiss & Tremewan (1967): *Zygaena loti tuscomodica uncoflabello* (ab.).

***urbis** (ra)—*Procris cognata urbis* Verity, 1946—*Redia* 31(1945/46): 134—Syntypes 2 males, 3 females [Italy]: Roma: Pietralata: 10 VI 1940; 2 males Roma: Fiuggi: 700 m: 15-30 VI 1936; 1 female Roma: Ponte Mammio 1 VII 1941; 1 female Roma: Portonaccio: 30 VI 1941; 1 female Roma: Ponte Nomentano: 1 VII 1941; Verity [leg.].

***venusta** (ra)—*Procris subsolana* 'razza' *venusta* Verity, 1946—*Redia* 31(1945/46):129—Syntypes 1 male, 1 female [S. Italy]: Calabria: S. Fili: 800 m: primi di giugno (= early June).

viridis (if)—*Adscita alpina* 'forma' *viridis* Verity, 1946—*Redia* 31(1945/46):148—Syntype 1 male [N. Italy: Alpi Marittime]: Valdieri: 27 VII 1907.

***vivax** (ra)—*Zygaena lonicerae* 'razza' *vivax* Verity, 1920—*Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici* 14:38—Syntypes 13 males, 3 females Suditalia: Caserta: Massiccio delle Mainarde: Valle del Molarino: 26-30 VI 1919: Querci [leg.].—Reiss & Tremewan (1967): *Zygaena lonicerae vivax* (ssp.).

Postscript. The 3rd edition of the International Code of Zoological Nomenclature was published in February 1985. The rules contained in the new code do not contradict the treatment of Verity's races as proposed by Kudrna (1983), Balletto and Kudrna (1984) and in the present paper.

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